

18379 U.S. PTO  
032904

Belyanin 1-114-29-1-2-10-43

22141 U.S. PTO  
10/812328  
032904

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

INVENTOR(S): Alexey Belyanin  
Alfred Yi Cho  
Claire F. Gmachl  
Oana Malis  
Milton L. Peabody  
Arthur Mike Sergeant  
Deborah Lee Sivco

CASE: 1-114-29-1-2-10-43

TITLE: Phase Matched Parametric Light Generation  
in Monolithically Integrated Intersubband Optical Devices

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, DC 20231

SIR:

Enclosed are the following papers relating to the above-named application for patent:

- Specification
- 3 Informal sheet(s) of drawing
- Assignment & Agreement
- Declaration & Power of Attorney
- Information Disclosure Statement

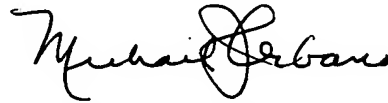
	NO. FILED	CLAIMS AS FILED NO. EXTRA	RATE	CALCULATIONS
Total Claims	16 -20 =	0	x \$18	0
Independent Claims	2 - 3 =	0	x \$86	0
Multiple Dependent Claims, if applicable	0	0	x \$290	0
Basic Fee				\$770
			TOTAL FEE	\$770

Please file the application and charge my **MasterCard (Form 2038 attached)** the amount of **\$770** to cover the filing fee. Duplicate copies of this letter are enclosed. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit my above-identified **MasterCard** as required to correct the error.

*Belyanin 1-114-29-1-2-10-43*

Please address all correspondence to me at 1445 Princeton Drive, Bethlehem, PA 18017-9166 and direct all telephone calls to me at Area Code 610-691-7710.

Respectfully,



Michael J. Urbano

Reg. No. 24,522

Attorney for Applicant(s)

Date: 03/29/04

Express Mail No. EL 989 173 446 US

Date of Deposit 03/29/04

I hereby certify that this application is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37CFR1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, DC.

Michael J. Urbano:

